

WHAT IS CLAIMED IS:

1. An apparatus for supplying mineral water comprising:

a mineral water generation means having an electrolytic bath in which chlorine-ion containing water is stored, a mineral eluting electrode for applying a DC voltage to chlorine-ion containing water to electrolyze the chlorine-ion containing water, and a mineral eluted substance containing a mineral component that is eluted by electrolytic water of chlorine-on containing water;

a mineral water leading means for leading the mineral water generated by the mineral water generation means;

a cold water storage tank in which the mineral water led through the mineral water leading means is stored and cooled; and

a cold water supply means for supplying the mineral water in the cold water storage tank.

2. An apparatus for supplying mineral water comprising:

A mineral water generation means having an electrolytic bath in which chlorine-ion containing water is stored, a mineral eluting electrode for applying a DC voltage to the chlorine-ion containing water to electrolyze the chlorine-ion containing water, and a mineral eluted substance containing a mineral component that is eluted by electrolytic water of chlorine-on containing water;

a mineral water leading means for leading the mineral water generated by the mineral water generation means;

a cold water storage tank in which the mineral water led through the mineral water leading means is stored and cooled;

a cold water supply means for supplying the mineral water in the cold water storage tank;

a hot water storage tank in which the mineral water lead through

the mineral water leading means is stored and heated; and

a hot water supply means for supplying the mineral water in the hot water storage tank.

3. The apparatus for supplying mineral water according to claim 2, wherein

the mineral water leading means has a pump for forcibly supplying the mineral water generated by the mineral water generation means to the cold water storage tank and the hot water storage tank.

4. The apparatus for supplying mineral water according to claim 3, wherein

the mineral water leading means has a purifying bath for purifying mineral water.

5. The apparatus for supplying mineral water according to claim 4, wherein

at least one purifying bath is included and a purifying member constituted by active carbon or a purifying member constituted by both the active carbon and a hollow-yarn film is packed into the purifying bath.

6. The apparatus for supplying mineral water according to claim 4, wherein

a mineral-water generation and purifying portion having the mineral water generation means, the purifying bath, and the pump and a cold-and-hot water generation portion having the cold water storage tank, the hot water storage tank, the cold water supply means and the hot water supply means is included,

the cold-and-hot water generation portion has a mineral water storage tank for supplying mineral water to the cold water storage tank and the hot water storage tank, and

the mineral water leading means connects the mineral water generation and purifying portion and the cold-and-hot water generation portion so that they can be separated.

7. The apparatus for supplying mineral water according to claim 4, wherein

a water supply pipe for supplying the chlorine-ion containing water to the electrolytic bath is included, and

a pre-active carbon filter system for purifying chlorine-ion containing water is set to the water supply pipe.

8. The apparatus for supplying mineral water according to claim 4, wherein

a return pipe for leading the mineral water in the cold water storage tank to the electrolytic bath is included, and

an opening/closing valve for controlling circulation of mineral water is set to the return pipe.

9. The apparatus for supplying mineral water according to claim 8, wherein

a bypass pipe is included which leads the mineral water generated by the mineral water generation means to the cold water storage tank and the hot water storage tank by bypassing the purifying bath.

10. The apparatus for supplying mineral water according to claim 8, wherein

the cold water supply means has a cold water supply valve for controlling supply of mineral water and the hot water supply means has a hot water supply valve for controlling supply of mineral water.

11. The apparatus for supplying mineral water according to claim 9, wherein

the cold water supply means has a cold water supply valve for controlling supply of mineral water and the hot water supply means has a hot water supply valve for controlling supply of mineral water.

12. The apparatus for supplying mineral water according to claim 10, wherein

when the cold water supply valve and the hot water supply valve are closed for a predetermined time, the mineral water in the electrolytic bath is supplied through the mineral water leading means to the cold water storage tank, and the mineral water in the cold water storage tank is returned through the return pipe to the electrolytic bath.

13. The apparatus for supplying mineral water according to claim 11, wherein

when the cold water supply valve and the hot water supply valve are closed for a predetermined time, the mineral water in the electrolytic bath is supplied through the bypass pipe to the cold water storage tank, and the mineral water in the cold water storage tank is returned through the return pipe to the electrolytic bath.

14. The apparatus for supplying mineral water according to claim 12, wherein

when the cold water supply valve and the hot water supply valve are closed for the predetermined time, the DC voltage is applied to the chlorine-ion containing water through the mineral eluting electrode.

15. The apparatus for supplying mineral water according to claim 13, wherein

when the cold water supply valve and the hot water supply valve are closed for the predetermined time, the DC voltage is applied to the chlorine-ion containing water through the mineral eluting electrode.

16. The apparatus for supplying mineral water according to claim 14, wherein

when the cold water supply valve and the hot water supply valve are closed for the predetermined time, and the DC voltage is applied to the chlorine ion-containing water through the mineral eluting electrode, a polarity is changed.

17. The apparatus for supplying mineral water according to claim 15, wherein

when the cold water supply valve and the hot water supply valve are closed for the predetermined time, and the DC voltage is applied to the chlorine-ion containing water through the mineral eluting electrode, a polarity is changed.

18. An apparatus for supplying mineral water comprising:

a mineral water generation means having an electrolytic bath in which chlorine-ion containing water is stored, a mineral eluting

electrode for applying a DC voltage to the chlorine-ion containing water to electrolyze the chlorine-ion containing water, and a mineral eluted substance containing a mineral component that is eluted by electrolytic water of chlorine-on containing water;

a mineral water leading means for leading the mineral water generated by the mineral water generation means;

a cold water storage tank in which the mineral water led through the mineral water leading means is stored and cooled;

a cold water supply means for supplying the mineral water in the cold water storage tank;

a hot water storage tank in which the mineral water led through the mineral water leading means is stored and heated;

a hot water supply means for supplying the mineral water in the hot water storage tank;

a carbon dioxide gas cylinder in which carbon dioxide gas is stored; and

a carbon dioxide gas supply means for leading the carbon dioxide gas in the carbon dioxide gas cylinder to the cold water supply means.

19. An apparatus for supplying mineral water comprising:

a mineral water generation means having an electrolytic bath in which chlorine-ion containing water is stored, a mineral eluting electrode for electrolyzing the chlorine-ion containing water, and a mineral eluted substance containing a mineral component that is eluted by electrolytic water of chlorine-on containing water;

a mineral water leading means for leading the mineral water generated by the mineral water generation means;

a hot water storage tank in which the mineral water led through the mineral water leading means is stored and heated;

a hot water supply means for supplying the mineral water in the hot water storage tank;

a cold water storage tank in which the mineral water led through the mineral water leading means is stored and cooled;

a cold water supply means for supplying the mineral water in the cold water storage tank;

a carbon dioxide gas cylinder in which carbon dioxide gas is stored; and

a carbon dioxide gas supply means for leading the carbon dioxide gas in the carbon dioxide gas cylinder to the cold water storage tank.

20. An apparatus for supplying mineral water comprising:

a mineral water generation means having a mineral eluting electrode for applying a DC voltage to chlorine-ion containing water to electrolyze chlorine-ion containing water and mineral eluted substances from which mineral components are eluted;

a cold water storage tank in which the mineral water led through the mineral water leading means is stored and cooled;

a cold water supply means for supplying the mineral water in the cold water storage tank;

a hot water storage tank in which the mineral water led through the mineral water leading means is stored and heated;

a hot water supply means for supplying the mineral water in the hot water storage tank;

a carbonator tank in which the mineral water led by the mineral water leading means is stored;

a carbon dioxide gas cylinder for leading the carbon dioxide gas in the carbon dioxide gas cylinder to the carbonator tank; and

a carbon dioxide gas supply means for leading the carbon dioxide

gas in the carbon dioxide gas cylinder to the carbonator tank.

21. The apparatus for supplying mineral water according to claim 19, wherein

an another carbon dioxide gas supply means is included which leads the carbon dioxide gas in the carbon dioxide gas cylinder to the hot water storage tank.

22. The apparatus for supplying mineral water according to claim 21, wherein

a drain means is set to the hot water supply means.

23. The apparatus for supplying mineral water according to claim 19, wherein

a carbonated water supply pipe for leading the carbonated water generated by the cold water storage tank to the hot water storage tank and a valve mechanism for alternately controlling the flow of the carbonated water led to the hot water storage tank through the carbonated water supply pipe and the flow of the mineral water led to the hot water storage tank through the mineral water leading means are included.

24. The apparatus for supplying mineral water according to claim 19, wherein

the following are included: a carbonated water supply pipe for leading the carbonated water generated by the carbonator tank and a valve mechanism for alternately controlling the flow of the carbonated water led to the hot water storage tank through the carbonated water supply pipe and the flow of the mineral water led to the hot water storage



tank through the mineral water leading means.

25. The apparatus for supplying mineral water according to claim 19, wherein

a gas circulation pipe is included which leads the carbonated water stored in the carbon dioxide gas cylinder to the mineral water leading means.

26. The apparatus for supplying mineral water according to claim 19, wherein

a carbonated water supply pipe is included which leads the carbonated water in the cold water storage tank to the mineral water leading means.

27. The apparatus for supplying mineral water according to claim 20, wherein

a carbonated water supply pipe is included which leads the carbonated water in the cold water storage tank to the mineral water leading means.